

UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>	Attorney Docket No.	0017-34 CIP	Total Pages	31
	First Named Inventor or Application Identified			
	Inv ntors: Shinya Myojin			
	Inv ntion: COPPER-NICKEL-SILICON TWO PHASE QUENCH SUBSTRATE			
Express Mail Label No.		EU950675760US		

APPLICATION ELEMENTS <small>See MPEP chapter 600 concerning utility patent application contents.</small>	ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
--	---

1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <small>(Submit an original, and a duplicate for fee processing)</small> 2. <input type="checkbox"/> Applicant claims small entity status. <small>See 37 CFR 1.27</small> 3. <input checked="" type="checkbox"/> Specification [Total Pages 24] <small>(preferred arrangement as set forth below)</small> - Descriptive title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing Appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets 5] 5. Oath or Declaration [Total Pages 2] a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <small>(for continuation divisional with Box 17 completed)</small> <small>[Note Box 5 below]</small> i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form (CRF) b. <input type="checkbox"/> Specification Sequence Listing On: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> Paper c. <input type="checkbox"/> Statement verifying identity of above copies
---	--

15535 U.S. PTO
10/644220

06/21/03

ACCOMPANYING APPLICATION PARTS 9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & documents(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <small>(when there is an assignee)</small> 11. <input type="checkbox"/> English Translation Document (if applicable) 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <small>(Should be specifically itemized)</small> 15. <input type="checkbox"/> Certified Copy of Priority Document(s) <small>(if foreign priority is claimed)</small> 16. <input type="checkbox"/> Small Entity Statement 17. <input checked="" type="checkbox"/> Other: Express Mail Certification
--

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☒ Continuation-in-part (CIP) of prior application No: 10/150,382, Filed May 17, 2002

Prior application information: Examiner _____ Group / Art Unit: 1722

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

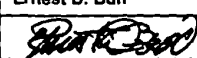
18. CORRESPONDENCE ADDRESS <input checked="" type="checkbox"/> Customer Number or Bar Code Label 000025901 or <input checked="" type="checkbox"/> Correspondence address below					
NAME	Em st D. Buff				
	Em st D. Buff & Associat s, LLC				
ADDRESS	245 South Street				
CITY	Morristown	STATE	N w Jersey	ZIP CODE	07960
COUNTRY	USA	TELEPHONE	(973) 644-0008	FAX	(973) 644-4554

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

15076 U.S. PTO
 08/21/03

FEE TRANSMITTAL	
Note: Effective October 1, 1997 Patent Fees are subject to annual revision.	
TOTAL AMOUNT OF PAYMENT	(\$) 790.00
Application Number	
Filing Date	
First Named Inventor	Shinya Myojin
Group Art Unit	
Examiner Name	
Attorney Docket Number	0017-34 CIP

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)																																																																																																																																																																																					
1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account Number → 01-1125 Deposit Account Name → Honeywell International Inc. <input type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Charge the Issue Fee Set In 37 CFR 1.18 at the Mailing of the Notice of Allowance 2. <input type="checkbox"/> Payment Enclosed: <input type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other		3. ADDITIONAL FEES <table border="1"> <thead> <tr> <th>Larg e Fee Code</th> <th>Enti ty Fee Code</th> <th>Small Fee Code</th> <th>Enti ty Fee Code</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provision filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>400</td><td>216</td><td>200</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>950</td><td>217</td><td>475</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,510</td><td>218</td><td>755</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>2,060</td><td>228</td><td>1,030</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,320</td><td>241</td><td>660</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,320</td><td>242</td><td>660</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>450</td><td>243</td><td>225</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>670</td><td>244</td><td>335</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126</td><td>240</td><td>126</td><td>240</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td>40.00</td></tr> <tr><td>146</td><td>790</td><td>246</td><td>395</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>149</td><td>790</td><td>249</td><td>395</td><td>For each additional invention to be examined (37 CFR 1.29(b))</td><td></td></tr> <tr><td colspan="5">Other fee (specify)</td><td></td></tr> <tr><td colspan="5">Other fee (specify)</td><td></td></tr> <tr> <td colspan="5">*Reduced by Basic Filing Fee Paid</td> <td>SUBTOTAL (3) (\$)</td> </tr> </tbody> </table>		Larg e Fee Code	Enti ty Fee Code	Small Fee Code	Enti ty Fee Code	Fee Description	Fee Paid	105	130	205	65	Surcharge - late filing fee or oath		127	50	227	25	Surcharge - late provision filing fee or cover sheet		139	130	139	130	Non-English specification		147	2,520	147	2,520	For filing a request for reexamination		112	920*	112	920*	Requesting publication of SIR prior to Examiner action		113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action		115	110	215	55	Extension for reply within first month		116	400	216	200	Extension for reply within second month		117	950	217	475	Extension for reply within third month		118	1,510	218	755	Extension for reply within fourth month		128	2,060	228	1,030	Extension for reply within fifth month		119	310	219	155	Notice of Appeal		120	310	220	155	Filing a brief in support of an appeal		121	270	221	135	Request for oral hearing		138	1,510	138	1,510	Petition to institute a public use proceeding		140	110	240	55	Petition to revive - unavoidable		141	1,320	241	660	Petition to revive - unintentional		142	1,320	242	660	Utility issue fee (or reissue)		143	450	243	225	Design issue fee		144	670	244	335	Plant issue fee		122	130	122	130	Petitions to the Commissioner		123	50	123	50	Petitions related to provisional applications		126	240	126	240	Submission of Information Disclosure Stmt		581	40	581	40	Recording each patent assignment per property (times number of properties)	40.00	146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))		149	790	249	395	For each additional invention to be examined (37 CFR 1.29(b))		Other fee (specify)						Other fee (specify)						*Reduced by Basic Filing Fee Paid					SUBTOTAL (3) (\$)
Larg e Fee Code	Enti ty Fee Code	Small Fee Code	Enti ty Fee Code	Fee Description	Fee Paid																																																																																																																																																																																		
105	130	205	65	Surcharge - late filing fee or oath																																																																																																																																																																																			
127	50	227	25	Surcharge - late provision filing fee or cover sheet																																																																																																																																																																																			
139	130	139	130	Non-English specification																																																																																																																																																																																			
147	2,520	147	2,520	For filing a request for reexamination																																																																																																																																																																																			
112	920*	112	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																			
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																			
115	110	215	55	Extension for reply within first month																																																																																																																																																																																			
116	400	216	200	Extension for reply within second month																																																																																																																																																																																			
117	950	217	475	Extension for reply within third month																																																																																																																																																																																			
118	1,510	218	755	Extension for reply within fourth month																																																																																																																																																																																			
128	2,060	228	1,030	Extension for reply within fifth month																																																																																																																																																																																			
119	310	219	155	Notice of Appeal																																																																																																																																																																																			
120	310	220	155	Filing a brief in support of an appeal																																																																																																																																																																																			
121	270	221	135	Request for oral hearing																																																																																																																																																																																			
138	1,510	138	1,510	Petition to institute a public use proceeding																																																																																																																																																																																			
140	110	240	55	Petition to revive - unavoidable																																																																																																																																																																																			
141	1,320	241	660	Petition to revive - unintentional																																																																																																																																																																																			
142	1,320	242	660	Utility issue fee (or reissue)																																																																																																																																																																																			
143	450	243	225	Design issue fee																																																																																																																																																																																			
144	670	244	335	Plant issue fee																																																																																																																																																																																			
122	130	122	130	Petitions to the Commissioner																																																																																																																																																																																			
123	50	123	50	Petitions related to provisional applications																																																																																																																																																																																			
126	240	126	240	Submission of Information Disclosure Stmt																																																																																																																																																																																			
581	40	581	40	Recording each patent assignment per property (times number of properties)	40.00																																																																																																																																																																																		
146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																			
149	790	249	395	For each additional invention to be examined (37 CFR 1.29(b))																																																																																																																																																																																			
Other fee (specify)																																																																																																																																																																																							
Other fee (specify)																																																																																																																																																																																							
*Reduced by Basic Filing Fee Paid					SUBTOTAL (3) (\$)																																																																																																																																																																																		
FEE CALCULATION 1. FILING FEE <table border="1"> <thead> <tr> <th>Larg e Fee Code</th> <th>Enti ty Fee Code</th> <th>Small Fee Code</th> <th>Enti ty Fee Code</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>790</td><td>201</td><td>345</td><td>Utility filing fee</td><td>750.00</td></tr> <tr><td>106</td><td>330</td><td>206</td><td>165</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>540</td><td>207</td><td>270</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>790</td><td>208</td><td>395</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>150</td><td>214</td><td>75</td><td>Provisional filing fee</td><td></td></tr> <tr><td colspan="5">SUBTOTAL (1)</td><td>(\$) 750.00</td></tr> </tbody> </table> 2. CLAIMS <table border="1"> <thead> <tr> <th>Total Claims</th> <th>Extra</th> <th>Fee From below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>11 - 20 =</td> <td>0</td> <td>18</td> <td>0.00</td> </tr> <tr> <td>Independent Claims 2 - 3 =</td> <td>0</td> <td>84</td> <td>0.00</td> </tr> <tr> <td>Multiple Dependent Claims</td> <td>0</td> <td>0</td> <td>0.00</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Larg e Fee Code</th> <th>Enti ty Fee Code</th> <th>Small Fee Code</th> <th>Enti ty Fee Code</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>102</td><td>82</td><td>202</td><td>40</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>104</td><td>270</td><td>204</td><td>135</td><td>Multiple dependent claim</td><td></td></tr> <tr><td>109</td><td>82</td><td>209</td><td>40</td><td>Reissue independent claims over original patent</td><td></td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr><td colspan="5">SUBTOTAL (2)</td><td>(\$) 0.00</td></tr> </tbody> </table>		Larg e Fee Code	Enti ty Fee Code	Small Fee Code	Enti ty Fee Code	Fee Description	Fee Paid	101	790	201	345	Utility filing fee	750.00	106	330	206	165	Design filing fee		107	540	207	270	Plant filing fee		108	790	208	395	Reissue filing fee		114	150	214	75	Provisional filing fee		SUBTOTAL (1)					(\$) 750.00	Total Claims	Extra	Fee From below	Fee Paid	11 - 20 =	0	18	0.00	Independent Claims 2 - 3 =	0	84	0.00	Multiple Dependent Claims	0	0	0.00	Larg e Fee Code	Enti ty Fee Code	Small Fee Code	Enti ty Fee Code	Fee Description	Fee Paid	103	18	203	9	Claims in excess of 20		102	82	202	40	Independent claims in excess of 3		104	270	204	135	Multiple dependent claim		109	82	209	40	Reissue independent claims over original patent		110	18	210	9	Reissue claims in excess of 20 and over original patent		SUBTOTAL (2)					(\$) 0.00																																																																																		
Larg e Fee Code	Enti ty Fee Code	Small Fee Code	Enti ty Fee Code	Fee Description	Fee Paid																																																																																																																																																																																		
101	790	201	345	Utility filing fee	750.00																																																																																																																																																																																		
106	330	206	165	Design filing fee																																																																																																																																																																																			
107	540	207	270	Plant filing fee																																																																																																																																																																																			
108	790	208	395	Reissue filing fee																																																																																																																																																																																			
114	150	214	75	Provisional filing fee																																																																																																																																																																																			
SUBTOTAL (1)					(\$) 750.00																																																																																																																																																																																		
Total Claims	Extra	Fee From below	Fee Paid																																																																																																																																																																																				
11 - 20 =	0	18	0.00																																																																																																																																																																																				
Independent Claims 2 - 3 =	0	84	0.00																																																																																																																																																																																				
Multiple Dependent Claims	0	0	0.00																																																																																																																																																																																				
Larg e Fee Code	Enti ty Fee Code	Small Fee Code	Enti ty Fee Code	Fee Description	Fee Paid																																																																																																																																																																																		
103	18	203	9	Claims in excess of 20																																																																																																																																																																																			
102	82	202	40	Independent claims in excess of 3																																																																																																																																																																																			
104	270	204	135	Multiple dependent claim																																																																																																																																																																																			
109	82	209	40	Reissue independent claims over original patent																																																																																																																																																																																			
110	18	210	9	Reissue claims in excess of 20 and over original patent																																																																																																																																																																																			
SUBTOTAL (2)					(\$) 0.00																																																																																																																																																																																		

SUBMITTED BY:		Complete (if applicable)	
Typed or Printed Name	Ernest D. Buff	Reg. Number	25,833
Signature		Date	08/20/03
		Deposit Account User ID	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	Shinya Myojin et al.	Group Art Unit:	Not Yet Assigned
Serial No.:	CIP of USSN 10/150,382	Examiner:	Not Yet Assigned
For:	COPPER-NICKEL-SILICON TWO PHASE QUENCH SUBSTRATE		
Honeywell File No.:	H0003801 (4710)		
Attorney Docket No.:	0017-34 CIP		

Ernest D. Buff & Associates, LLC
245 South Street
Morristown, New Jersey 07960
(973) 644-0008
August 20, 2003

Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Certificate of Mailing by Express Mail

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail in an envelope bearing Express Mail Service No.: EU950675760US addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on August 20, 2003.



Signature

Ernest D. Buff
Attorney of Record

August 20, 2003
(Date)